

EUROPEAN SYNCHROTRON RADIATION FACILITY

ESRF User Office

BP 220, F-38043 GRENOBLE CEDEX, France

Delivery address: 6 rue Jules Horowitz, 38043 GRENOBLE, France

Tel: +33 (0)4 7688 2552; fax: +33 (0)4 7688 2020; email: useroff@esrf.fr; web:

<http://www.esrf.fr>



Report on ME-1065

Articles associated with the experiments of this proposal

Understanding the rapid solidification of Al-4.3Cu and Al-17Cu using X-Ray Tomography

A. Prasad, H. Henein, E. Maire, Ch.-A. Gandin, *Metall. mater. trans.* 37A (2006) 249-257.

Atomized droplet solidification as an equiaxed growth model

R. Heringer, Ch.-A. Gandin, G. Lesoult, H. Henein, *Acta Materialia* 54 (2006) 4427-4440.

Non-Equilibrium Solidification in Microgravity: Microstructure Modelling of Industrial Alloys

D. M. Herlach, Ch.-A. Gandin, A. Garcia-Escorial, H. Henein, in *Microgravity Applications Programme - Successful Teaming of Science and Industry*, European Space Agency publication, SP-1290 (2005) 38-48.

Microsegregation Modeling of Rapidly Solidified Al-Cu Droplets

A. Prasad, H. Henein, Ch.-A. Gandin, in *Modeling of Casting, Welding and Advanced Solidification Processes XI*, Eds. Ch.-A. Gandin and M. Bellet, 577-584. T.M.S., Warrendale, Pennsylvania, USA (2006).

(XITh. Conference on *Modeling of Casting, Welding and Advanced Solidification Processes*, Opio, France, 28 May-2 June 2006)